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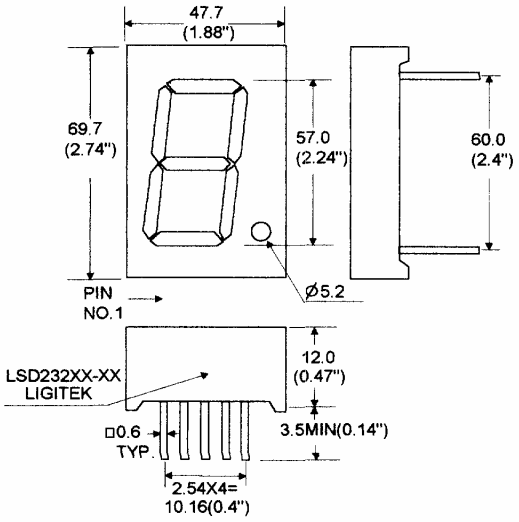
Jameco Part Number 97201

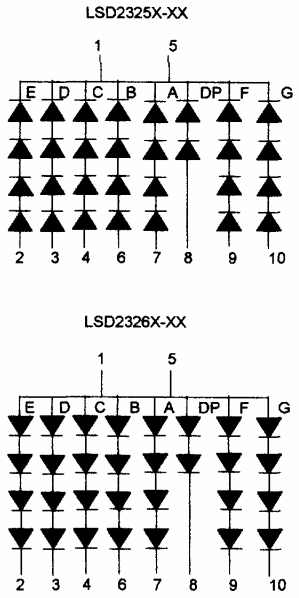
LIGITEK

SINGLE DIGIT LED DISPLAY (2.3 Inch) **LSD2325X/6X** *series* *Page 1/2*

PACKAGE DIMENSION



INTERNAL CIRCUIT DIAGRAM



NOTE: All Dimension Are In Millimeters And (Inch)
Tolerance Is ±0.25(0.01") Unless Otherwise Noted

- **Connection To Electrical Schematic**

Electrical Connection

PIN NO.	LSD2325X-XX	PIN NO.	LSD2326X-XX
1	Common Cathode	1	Common Anode
2	Anode E	2	Cathode E
3	Anode D	3	Cathode D
4	Anode C	4	Cathode C
5	Common Cathode	5	Common Anode
6	Anode B	6	Cathode B
7	Anode A	7	Cathode A
8	Anode DP	8	Cathode DP
9	Anode F	9	Cathode F
10	Anode G	10	Cathode G

文件編號：QW0905-S2325/6X-XX 版本：A 生效日期：Jun . 8 . 1996

• Part Selection And Application Information (Ratings At 25°C Ambient)

PART NO	CHIP		common cathode or anode	λP (nm)	Δλ (nm)	Electrical					IV-M
						Vf(v)			Iv(mcd)		
	material	emitted				Min	Typ.	Max	Min	Typ.	
LSD23255-XX	GaAlAs	Red	Common Cathode	660	20	1.5	1.7	2.4	12	21	2:1
LSD23251-XX	GaP	Red		697	90	1.7	2.1	2.8	4.8	8.0	2:1
LSD23252-XX	GaP	Green		565	30	1.7	2.1	2.8	9.6	16	2:1
LSD23253-XX	GaAsP/GaP	Yellow		585	35	1.7	2.0	2.8	8.4	14	2:1
LSD23254-XX	GaAsP/GaP	Orange		635	45	1.7	2.0	2.8	9.6	16	2:1
LSD23265-XX	GaAlAs	Red	Common Anode	660	20	1.5	1.7	2.4	12	21	2:1
LSD23261-XX	GaP	Red		697	90	1.7	2.1	2.8	4.8	8.0	2:1
LSD23262-XX	GaP	Green		565	30	1.7	2.1	2.8	9.6	16	2:1
LSD23263-XX	GaAsP/GaP	Yellow		585	35	1.7	2.0	2.8	8.4	14	2:1
LSD23264-XX	GaAsP/GaP	Orange		635	45	1.7	2.0	2.8	9.6	16	2:1

• Absolute Maximum Rating (Ta=25°C)

Parameter	Red			Green		Yellow			Orange		Unit	Remark
Forward Current Per Chip	SR		H		G		Y			E		
	40		15		30		20			30	mA	
Peak Current Per Chip (Duty 1/10, 0.1MS Pulse Width)	200		60		120		80			120	mA	
Power Dissipation Per Chip	110		45	100		85			100		mW	
Derating Linear From 25°C Per Chip	0.45		0.25	0.45		0.45			0.45		mA/°C	
Reverse Current Per Any Chip	10			10		10			10		μA	
Operating Temperature	-25°C TO +85°C											
Storage Temperature	-25°C TO +85°C											

Solder Temperature 1/16 Inch Below Seating Plane For 3 Seconds At 260°C

• Test Condition For Each Parameter

Parameter	Symbol	Unit	Test Condition
Forward Voltage Per Chip	Vf	volt	If=20mA
Luminous Intensity Per Chip	Iv	mcd	If=10mA
Peak Emission Wavelength	λP	nm	If=20mA
Spectral Line Half-Width	Δλ	nm	If=20mA
Reverse Current Any Chip	Ir	μA	Vr=5V
Luminous Intensity Matching Ratio	IV-M		